

PATENT

Atty. Dkt. No. YOR920030591US1

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. – 26. (Cancelled)

27. (Currently Amended) ~~The method of claim 24~~ A method for monitoring event occurrences from a plurality of functional processor units at a centralized location via a dedicated bus coupled between said plurality of functional processor units and said centralized location, said method comprising:

receiving, at said centralized location, data indicative of cumulative events occurring at one of said functional processor units;

storing said data in a first temporary memory;

storing said data in a register based on a tag identifier affixed to said data, said tag identifier providing indicia of one of said plurality of functional processor units; and

sending said data to a controller adapted to examine said data to determine whether said one of said plurality of functional processor units is to be reconfigured to operate in a different manner, wherein said reconfiguration of said one of said plurality of functional processor units comprises at least one of changing a manner of counting, changing a history pattern, changing at least one logic operator, initiating or terminating a count, changing at least one threshold, monitor different future event occurrences, and changing a clock rate.

28. – 34. (Cancelled)